

Appendix Table 3. Summary of IVENT incidence according to therapeutic class of medication.

Therapeutic Class of Medication	PGY1																PGY2				PGY3			
	Total orders			iVents		Total orders			iVents		Total orders			iVents		Total orders		iVents						
Analgesics	213,938	12.1%	7,004	3.3%	85,049	12.9%	2,898	3.4%	73,564	11.4%	2,281	3.1%	55,325	11.8%	1,825	3.3%								
Antiasthmatics	40,953	2.3%	1,072	2.6%	15,101	2.3%	445	2.9%	14,320	2.2%	329	2.3%	11,532	2.5%	298	2.6%								
Anticoagulants	95,510	5.4%	8,823	9.2%	34,642	5.2%	3,530	10.2%	38,051	5.9%	3,518	9.2%	22,817	4.9%	1,775	7.8%								
Antidotes	1,712	0.1%	99	5.8%	566	0.1%	24	4.2%	605	0.1%	43	7.1%	541	0.1%	32	5.9%								
Antiepileptics	22,187	1.3%	1,276	5.8%	9,052	1.4%	519	5.7%	7,485	1.2%	406	5.4%	5,650	1.2%	351	6.2%								
Antihistamines/Cough/Cold Preparations	28,891	1.6%	465	1.6%	12,420	1.9%	199	1.6%	9,838	1.5%	160	1.6%	6,633	1.4%	106	1.6%								
Antihyperglycemics	105,290	5.9%	2,632	2.5%	38,383	5.8%	971	2.5%	35,040	5.5%	935	2.7%	31,867	6.8%	726	2.3%								
Antimicrobials	138,232	7.8%	19,120	13.8%	51,767	7.8%	6,964	13.5%	46,704	7.3%	6,596	14.1%	39,761	8.5%	5,560	14.0%								
Antineoplastics	1,177	0.1%	55	4.7%	488	0.1%	29	5.9%	398	0.1%	17	4.3%	291	0.1%	9	3.1%								
Antiparkinson Drugs	1,632	0.1%	58	3.6%	618	0.1%	16	2.6%	633	0.1%	32	5.1%	381	0.1%	10	2.6%								
Antiplatelet Drugs	7,944	0.4%	282	3.5%	2,084	0.3%	67	3.2%	4,376	0.7%	174	4.0%	1,484	0.3%	41	2.8%								
Biologicals	2,598	0.1%	196	7.5%	1,066	0.2%	88	8.3%	861	0.1%	61	7.1%	671	0.1%	47	7.0%								
Blood	38,052	2.1%	643	1.7%	12,323	1.9%	217	1.8%	16,640	2.6%	268	1.6%	9,089	1.9%	158	1.7%								
Cardiovascular	255,308	14.4%	7,170	2.8%	83,481	12.6%	2,412	2.9%	105,983	16.5%	2,985	2.8%	65,844	14.0%	1,773	2.7%								
Colony Stimulating Factors	1,634	0.1%	130	8.0%	668	0.1%	60	9.0%	539	0.1%	36	6.7%	427	0.1%	34	8.0%								
Diagnostic	953	0.1%	5	0.5%	102	0.0%	2	2.0%	737	0.1%	2	0.3%	114	0.0%	1	0.9%								
EENT Preps	12,983	0.7%	219	1.7%	5,095	0.8%	73	1.4%	4,710	0.7%	94	2.0%	3,178	0.7%	52	1.6%								
Elect/Caloric/H ₂ O	403,640	22.8%	8,215	2.0%	152,426	23.1%	3,172	2.1%	143,443	22.3%	2,325	1.6%	107,771	22.9%	2,718	2.5%								
Gastrointestinal	168,888	9.5%	4,803	2.8%	65,998	10.0%	1,989	3.0%	60,686	9.4%	1,592	2.6%	42,204	9.0%	1,222	2.9%								
Hormones	36,239	2.0%	1,166	3.2%	13,813	2.1%	461	3.3%	12,052	1.9%	390	3.2%	10,374	2.2%	315	3.0%								
Immunosuppressant	6,648	0.4%	290	4.4%	2,148	0.3%	107	5.0%	2,063	0.3%	81	3.9%	2,437	0.5%	102	4.2%								
Muscle Relaxants	3,851	0.2%	96	2.5%	1,664	0.3%	47	2.8%	1,314	0.2%	35	2.7%	873	0.2%	14	1.6%								
Other	29,621	1.7%	1,070	3.6%	11,101	1.7%	471	4.2%	10,275	1.6%	375	3.6%	8,245	1.8%	224	2.7%								
Psychotherapeutic Drugs	52,226	2.9%	1,306	2.5%	20,622	3.1%	571	2.8%	17,287	2.7%	400	2.3%	14,317	3.0%	335	2.3%								
Sedative/Hypnotics/Anesthetics	52,574	3.0%	1,049	2.0%	20,180	3.1%	386	1.9%	17,034	2.7%	371	2.2%	15,360	3.3%	292	1.9%								
Skin Preps	9,130	0.5%	153	1.7%	4,156	0.6%	73	1.8%	3,050	0.5%	47	1.5%	1,924	0.4%	33	1.7%								
Smoking Deterrents	4,821	0.3%	62	1.3%	1,784	0.3%	21	1.2%	1,857	0.3%	24	1.3%	1,180	0.3%	17	1.4%								
Thyroid Preps	8,518	0.5%	209	2.5%	3,095	0.5%	70	2.3%	3,271	0.5%	87	2.7%	2,152	0.5%	52	2.4%								
Vitamins	27,312	1.5%	877	3.2%	10,187	1.5%	320	3.1%	9,705	1.5%	332	3.4%	7,420	1.6%	225	3.0%								

Blue shading identifies therapeutic classes most commonly prescribed ($\geq 5\%$), Red shading identifies therapeutic classes where iVents most commonly occurred ($\geq 5\%$).